

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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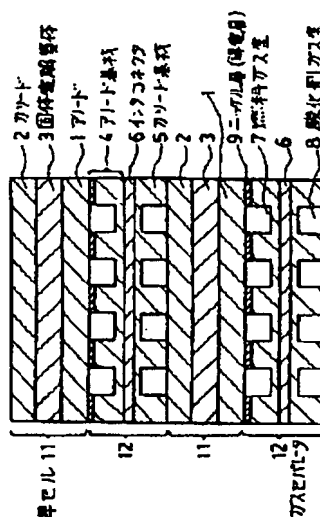
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APPLICANT : FUJI ELECTRIC CO LTD;

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TITLE : SOLID ELECTROLYTE TYPE FUEL  
CELL



**ABSTRACT :** **PURPOSE:** To reduce the contact resistance of the polymerized surface of a battery member and improve a battery characteristic by alternately arranging a gas separator and a single cell, and surface-contacting the anode base material of the gas separator with the anode of the single cell when the gas separator is arranged.

**CONSTITUTION:** A cell stack is formed by alternately arranging a single cell 11, in which an anode 1 and a cathode 2 are laminated on a solid electrolyte body 3, and a gas separator 12, and an anode base material 4, interconnector 6, and cathode base material 5 are integrated in the gas separator 5. In this case, the assembly of a cell is made by polymerization via a surface having the rib of an electrode base material which is the anode or cathode base material 4 or 5, and the contact resistance of a polymerized surface is reduced with a conductive layer. The single cell 11 or the interconnector 6 is integrally laminated on a flat surface having no rib of the electrode base material. This can reduce the contact resistance of the polymerized surface of a battery member and improve a battery characteristic.

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